

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (currently amended) A method of distributing application software applied to an application software distribution system, comprising:

determining that files necessary for a mobile station to receive a service are not stored at the mobile station;

a) initializing to distribute application software files, being the necessary files, to ~~a~~the mobile station;

b) receiving an application software transmission/reception requiring message from the mobile station;

c) if the application software transmission requiring message is received, transmitting the application software ~~file~~files to the mobile station; and

d) if the application software reception requiring message is received, receiving the application software ~~file~~files from the mobile station,

wherein c) includes:

c1) constructing a transmission plan in the application software distribution system and transferring a transmission plan message to the mobile station via the application software distribution system;

c2) opening an application software file of the application software files to be transmitted; and

c3) transmitting the application software file to the mobile station.

2. (previously presented) The method as recited in claim 1, before a), further comprises:

e) generating a thread in the application software distribution system.

3. (cancelled)

4. (previously presented) The method as recited in claim 2, before c1) further comprises:

c4) transmitting a response message to the application software transmission requiring message.

5. (previously presented) The method as recited in claim 2, wherein d) comprises:
d1) constructing a reception plan in response to an application software reception requiring message;

d2) receiving application software file packets;

d3) determining whether there is an error in the application software file packets; and

d4) if there is no error in the application software file packet, storing the application software file packets.

6. (previously presented) The method as recited in claim 5, before b), further comprises:

f) confirming that the mobile station is a service subscriber.

7. (previously presented) The method as recited in claim 4, further comprises:
c5) if all of the application software files are transmitted, transmitting an application software transmission completion packet to the mobile station;

c6) receiving an application software transmission requirement releasing message from the mobile station; and

c7) terminating the thread.

8. (original) The method as recited in claim 7, wherein the application software distribution system stores charging information to make a user of the mobile station chargeable for an execution of said application software program.

9. (previously presented) The method as recited in claim 1, wherein a) comprises:

a1) generating a program identifier (PID) allocated to transmit the application software transmission plan message; and

a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software.

10. (previously presented) The method as recited in claim 9, further comprising:

performing a data backup for information concerned with the user of the mobile station through a data backup equipment, when the mobile station is not used for a constant period by automatically checking a using period of the user of the mobile station.

11. (original) The method as recited in claim 10, wherein the application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

12. (currently amended) A method of distributing an application software file applied to a mobile station, comprising:

determining that a file necessary for the mobile station to receive a service is not stored

at the mobile station, the necessary file being the application software file;

- a) performing an initialization in the mobile station;
- b) transmitting an application software transmission/reception requiring message to an application software distribution system;
- c) if the application software transmission requiring message is transmitted, receiving ~~an~~the application software file from the application software distribution system; and
- d) if the application software reception requiring message is transmitted, transmitting the application software file,

wherein c) includes:

- c1) receiving a transmission plan message from an application software distribution system;
- c2) constructing a reception plan;
- c3) receiving an application software transmission start packet from the application software distribution system;
- c4) standing by to receive the application software file;
- c5) receiving the application software file from the application software distribution system; and
- c6) storing the application software file.

13. (previously presented) The method as recited in claim 12, after c), further comprising:

- e) installing the application software file.

14. (cancelled)

15. (previously presented) The method as recited in claim 15, after b), further

comprising:

g) receiving a response to the application software reception requirement message.

16. (cancelled)

17. (previously presented) The method as recited in claim 12, after c5), further

comprising:

c7) performing an error checking of the application software file.

18. (previously presented) The method as recited in claim 15, wherein e) comprises:

e1) receiving an application software transmission completion packet from the application software distribution system;

e2) determining whether there is an error in the application software file; and

e3) if there is no error in the application software file, installing the application software file.

19. (previously presented) The method as recited in claim 18, further comprising:

performing a data backup for information concerned with the user of the mobile station through a data backup equipment, when the mobile station is not used for a constant period by automatically checking a using period of the user of the mobile station.

20. (previously presented) The method as recited in claim 12, wherein a) comprises:

a1) generating a program identifier (PID) allocated to transmit the application software transmission plan message; and

a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software are stored.

21. (original) The method as recited in claim 20, wherein the application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

22. (previously presented) The method as recited in claim 21, wherein the mobile station deletes the application software or transmits the application software to the storing space of the application software distribution system, if there is a shortage of the storing space in the mobile station.

23. (previously presented) The method as recited in claim 22, further comprising:
automatically connecting to a server designated by a uniform resource locator (URL) of a specified site, when the application software file distributed from the application software distribution system is executed, the URL being set inside the application software.

24. (currently amended) A computer readable record medium storing instructions for executing a method for distributing application software applied to an application software distribution system, the method comprising:

determining that files necessary for a mobile station to receive a service are not stored at the mobile station;

a) initializing to distribute application software files, being the necessary files, to athe mobile station;

b) receiving an application software transmission/ reception requiring message from the mobile station;

c) if the application software transmission requiring message is received, transmitting the application software ~~file~~files to the mobile station; and

d) if the application software reception requiring message is received, receiving the application software ~~file~~files from the mobile station,

wherein c) includes:

c1) constructing a transmission plan in the application software distribution system and transferring a transmission plan message to the mobile station via the application software distribution system;

c2) opening an application software file of the application software files to be transmitted; and

c3) transmitting the application software file to the mobile station.

25. (currently amended) A computer readable record medium storing instructions for executing a method for distributing application software applied to ~~aan~~ mobile station, the method comprising:

determining that a file necessary for the mobile station to receive a service is not stored at the mobile station;

a) performing an initialization in the mobile station;

b) transmitting an application software transmission/reception requiring message to an application software distribution system;

c) if the application software transmission requiring message is transmitted, receiving an application software file, being the necessary file, from the application software distribution system; and

d) if the application software reception requiring message is transmitted, transmitting the application software file,

wherein c) includes:

c1) receiving a transmission plan message from an application software distribution system;

c2) constructing a reception plan;

c3) receiving an application software transmission start packet from the application software distribution system;

c4) standing by to receive the application software file;

c5) receiving the application software file from the application software distribution system; and

c6) storing the application software file.